

SPECIFICATION

Please replace the paragraph beginning on page 18, line 20 with the following amended paragraph:

η^1 -pyrrolyl molybdenum catalyst (compound **8**). As shown in Scheme 1, in the first step bromoethylbenzene (compound **1**) is reacted with 2-methyl-4-ZnBr-2-butene in a tetrahydrofuran (THF) solution containing CuBr and bromoethylbenzene to produce (3,3-dimethyl-1-pentene)benzene (compound **2**). Compound **2** is then reacted with nitric acid/acetic acid/acetic anhydride to produce 2-(3,3-dimethyl-1-pentene)-1-nitrobenzene (compound **3**). The nitro group is reduced to an amino group in a reduction reaction comprising SnCl_2 and an acid, which produces 2-(3,3-dimethyl-1-pentene)-1-aniline (compound **4**). Compound **4** is reacted with ammonium dimolybdate ($\text{NH}_4\text{Mo}_2\text{O}_7$), chlorotrimethylsilane (ClSiMe_3), and triethylamine (NEt_3) in dimethoxyethane (DME) to produce $\text{MoCl}_2(\text{NAr})_2(\text{dme})$ (compound **5**) which has the structure



